

XP-002282914

AN - 1978-11074A [06]

CPY - AJIN

DC - B02.D16

FS - CPI

IC - C12D13/00 ; C12P19/40 ; C12R1/07

MC - B04-B03 D05-C06

**M1 - [01] V761 D931 F113 L810 H121 H201 H401 H481 H422 H423 H424 J521 N130
M511 M521 M530 M540 M720 M412 M902**

**M2 - [02] K0 H1 H2 H4 J5 M311 M332 M321 M280 M342 M340 M370 M391 D931 F113
L810 H121 H201 H401 H481 H422 H423 H424 J521 N130 M511 M521 M530 M540
M720 M412 M902**

PA - (AJIN) AJINOMOTO KK

PN - JP52154595 A 19771222 DW197806 000pp

- JP59004996B B 19840202 DW198409 000pp

PR - JP19760070518 19760616

XIC - C12D-013/00 ; C12P-019/40 ; C12R-001/07

AB - J52154595 The method comprises culturing bacterial stock, which belongs to *Bacillus* and shows requirement for adenine, stronger 5'-nucleotidase than the parent stock and productivity for inosine. Inosine is prep'd. with higher yield compared with that by the conventional method.

- By giving requirement for amino acid, resistance to purine analogues, the lack for 5'-guanylic acid-reductase, etc. to sep'd. strains of bacteria, productivity for inosine can be further increased.
- The culture is practised at 25-40 degrees C for 2-5 days keeping pH at 5.0-9.0.
- Examples of applicable strains are *B.subtilis* AJ11045 (FERM-P 3589), AJ 11043 (FERM-P 3587), AJ 11046 (FERM-P 3590), AJ 11044 (FERM-P 3588), etc.

**IW - INOSINE PREPARATION FERMENTATION CULTURE BACTERIA STOCK BELONG
BACILLUS REQUIRE ADENINE**

**IKW - INOSINE PREPARATION FERMENTATION CULTURE BACTERIA STOCK BELONG
BACILLUS REQUIRE ADENINE**

NC - 001

OPD - 1976-06-16

ORD - 1977-12-22

PAW - (AJIN) AJINOMOTO KK

**TI - Inosine prepn. by fermentation - involves culturing bacterial stock
belonging to *Bacillus* and showing a requirement for adenine**